Press release
Communiqué de presse
Comunicato stampa
新闻稿 ／ 新聞稿
プレスリリース
보도자료

T4378D

Qeexo and STMicroelectronics Speed Development of Next-Gen IoT Applications with Machine-Learning Capable Motion Sensors

Mountain View, CA and Geneva, Switzerland, July 7, 2021 – **Qeexo**, developer of the Qeexo AutoML automated machine-learning (ML) platform that accelerates the development of tinyML models for the Edge, and **STMicroelectronics (NYSE: STM),** a global semiconductor leader serving customers across the spectrum of electronics applications, today announced the availability of ST's machine-learning core (MLC) sensors on Qeexo AutoML.

By themselves, ST's MLC sensors substantially reduce overall system power consumption by running sensing-related algorithms, built from large sets of sensed data, that would otherwise run on the host processor. Using this sensor data, Qeexo AutoML can automatically generate highly optimized machine-learning solutions for Edge devices, with ultra-low latency, ultra-low power consumption, and an incredibly small memory footprint. These algorithmic solutions overcome die-size-imposed limits to computation power and memory size, with efficient machine-learning models for the sensors that extend system battery life.

"Delivering on the promise we made recently when we announced our collaboration with ST, Qeexo has added support for ST's family of machine-learning core sensors on Qeexo AutoML," said Sang Won Lee, CEO of Qeexo. *"Our work with ST has now enabled application developers to quickly build and deploy machine-learning algorithms on ST's MLC sensors without consuming MCU cycles and system resources, for an unlimited range of applications, including industrial and IoT use cases."*

"*Adapting Qeexo AutoML for ST's machine-learning core sensors makes it easier for developers to quickly add embedded machine learning to their very-low-power applications,"* said Simone Ferri, MEMS Sensors Division Director, STMicroelectronics. *"Putting MLC in our sensors, including the LSM6DSOX or ISM330DHCX, significantly reduces system data transfer volumes, offloads network processing, and potentially cuts system power consumption by orders of magnitude while delivering enhanced event detection, wake-up logic, and real-time Edge computing."*

About Qeexo

Qeexo is the first company to automate end-to-end machine learning for embedded edge devices (Cortex M0-M4 class). Our one-click, fully-automated Qeexo AutoML platform allows customers to leverage sensor data to rapidly build machine learning solutions for highly constrained environments with applications in industrial, IoT, wearables, automotive, mobile, and more. Over 300 million devices worldwide are equipped with AI built on Qeexo AutoML. Delivering high performance, solutions built with Qeexo AutoML are optimized to have ultra-low latency, ultra-low power consumption, and an incredibly small memory footprint. For more information, go to http://www.qeexo.com.

About STMicroelectronics

At ST, we are 46,000 creators and makers of semiconductor technologies mastering the semiconductor supply chain with state-of-the-art manufacturing facilities. An independent device manufacturer, we work with more than 100,000 customers and thousands of partners to design and build products, solutions, and ecosystems that address their challenges and opportunities, and the need to support a more sustainable world. Our technologies enable smarter mobility, more efficient power and energy management, and the wide-scale deployment of the Internet of Things and 5G technology. Further information can be found at www.st.com.

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